

FIG. 1

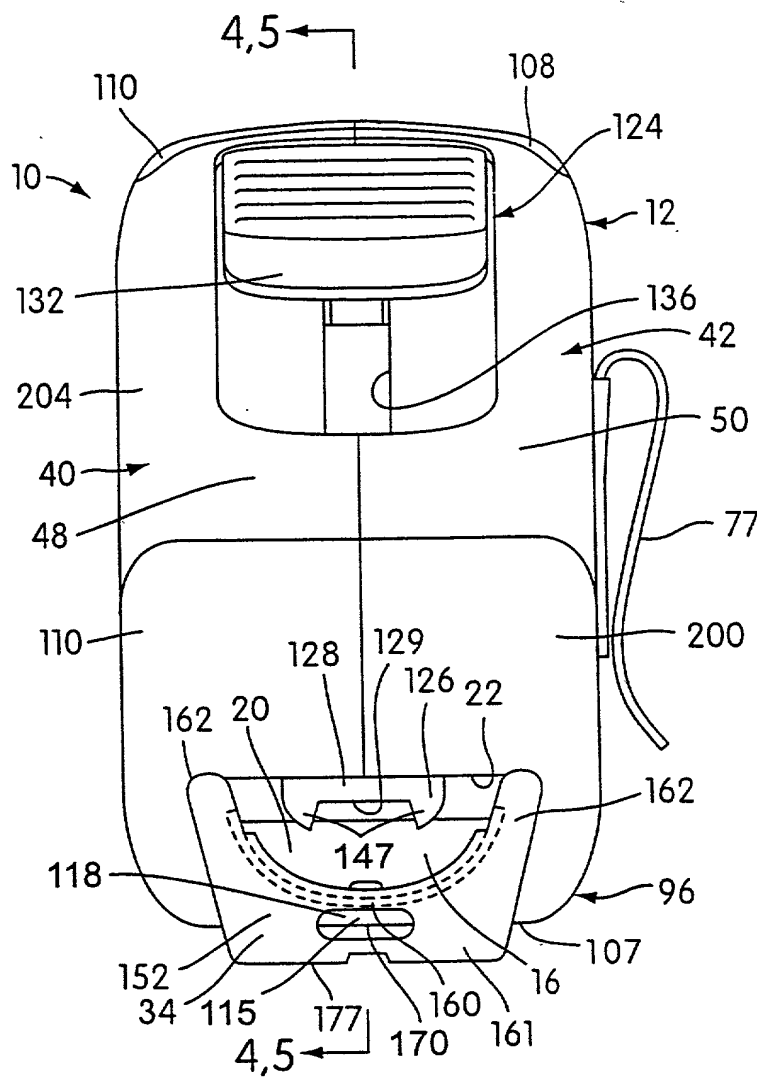


FIG. 2

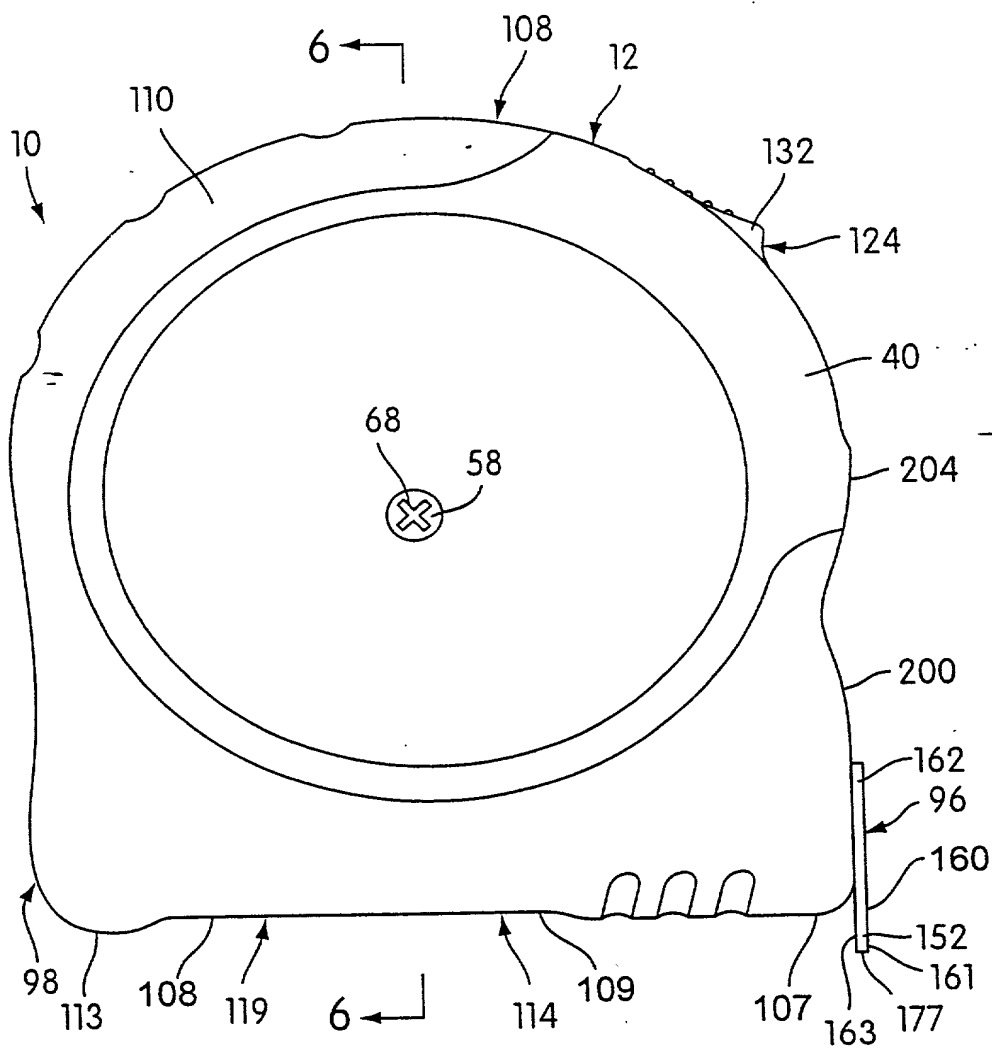


FIG. 3

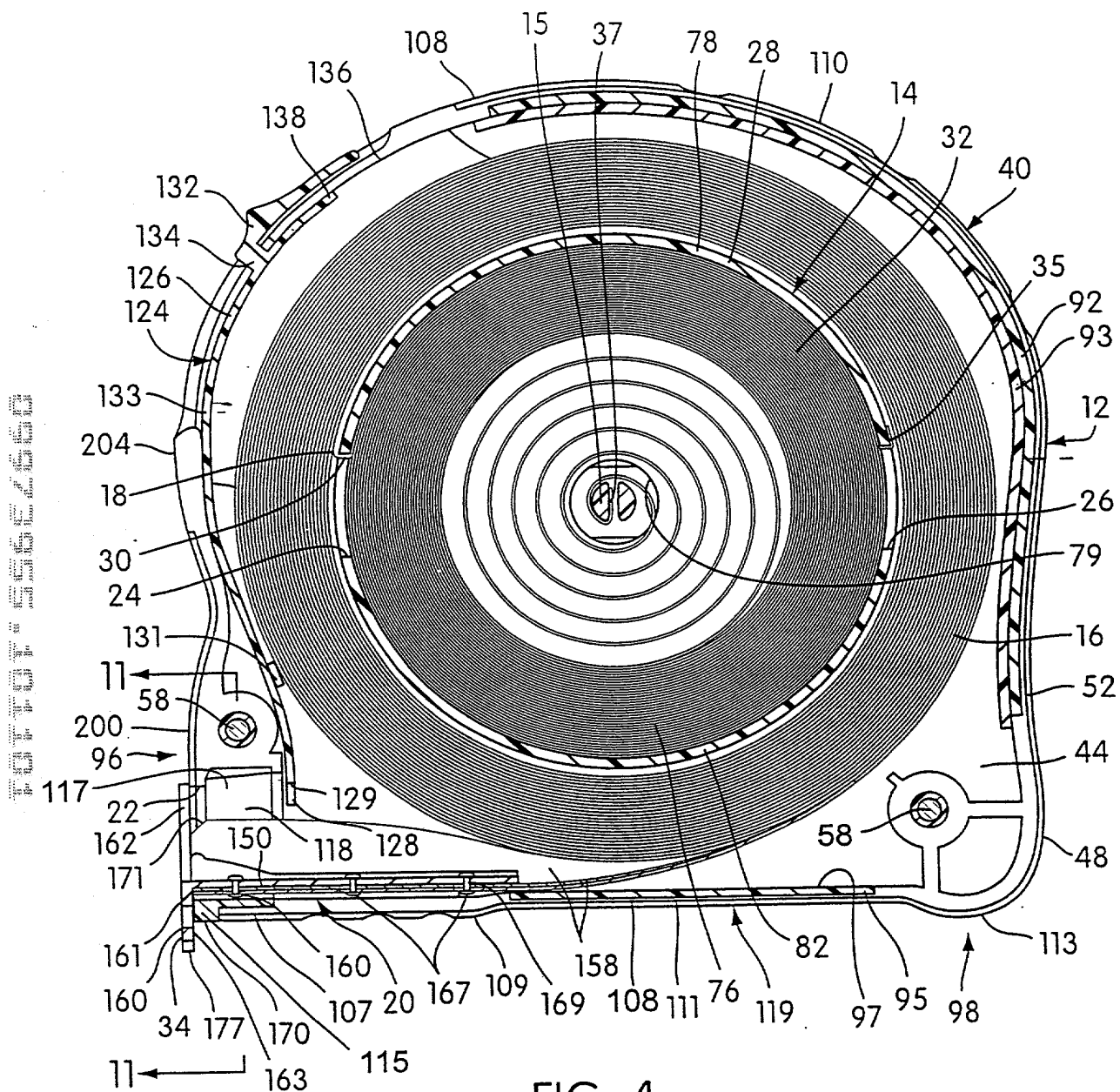


FIG. 4

FIG. 5

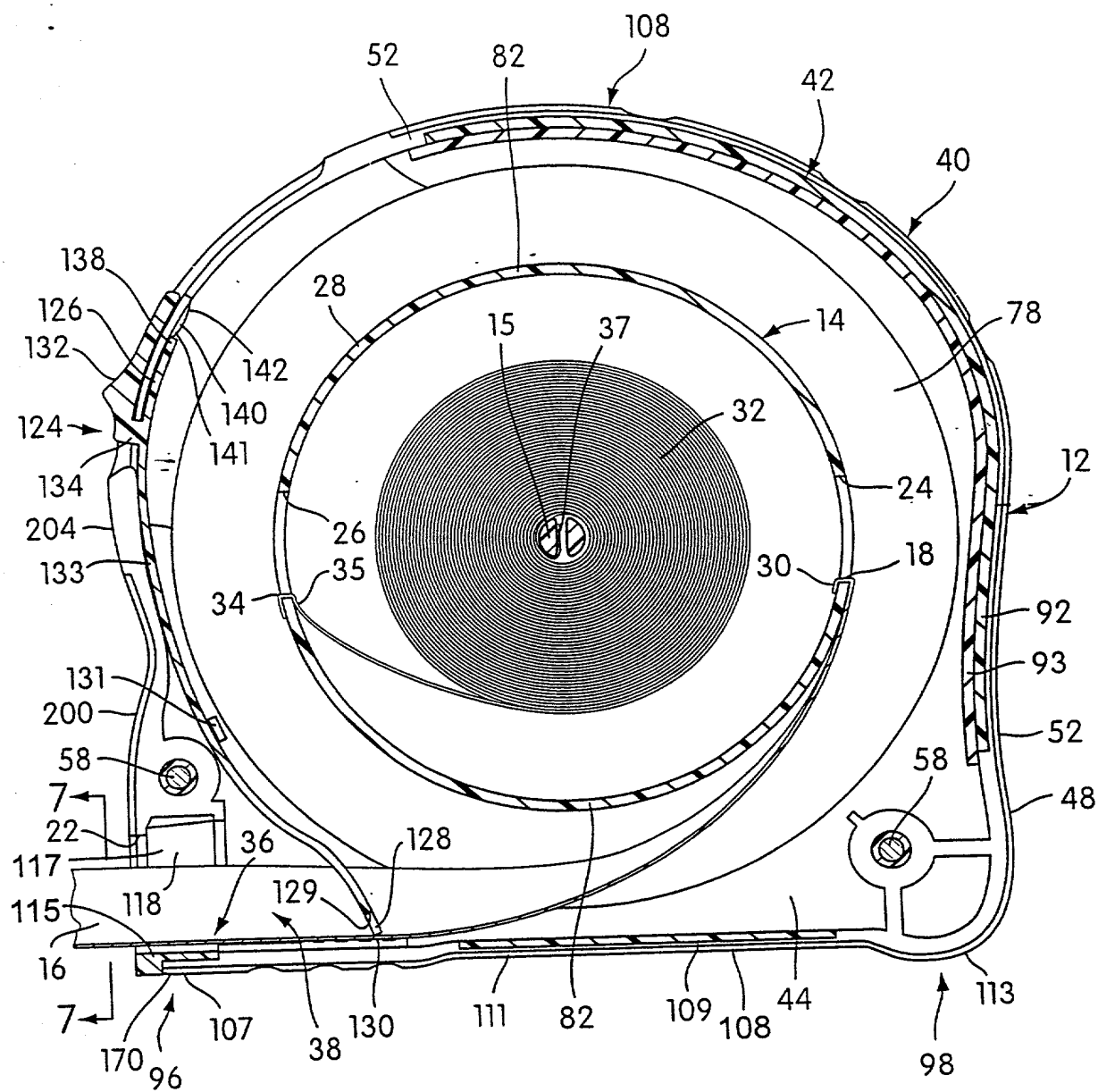


FIG. 5

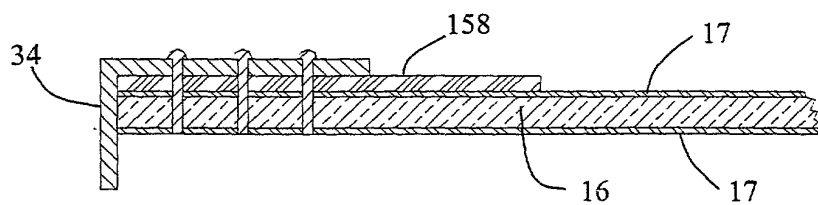


FIG. 5a

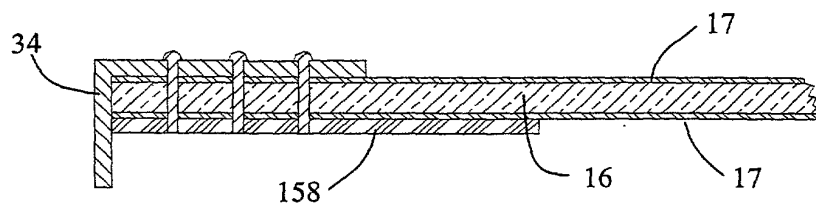


FIG. 5b

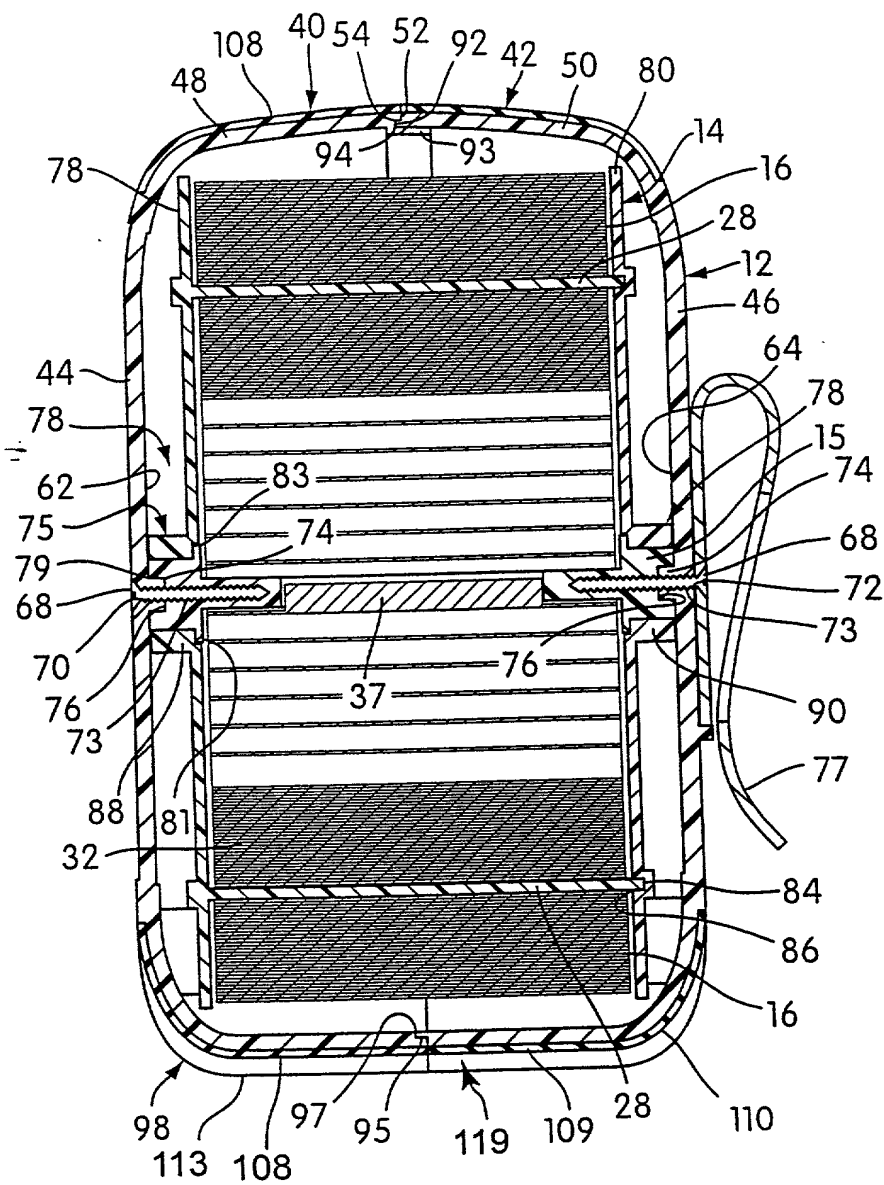
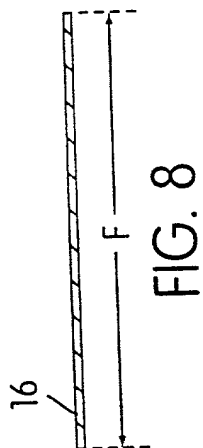
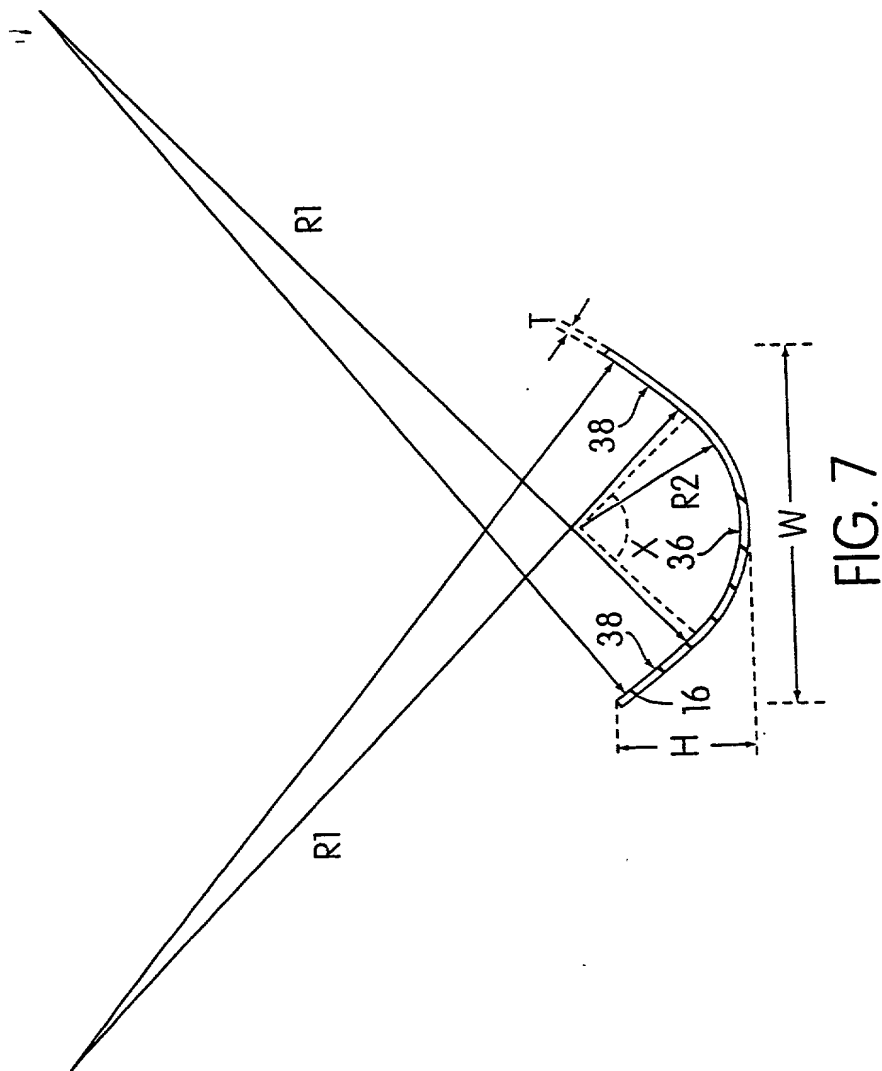


FIG. 6



MAXIMUM
TAPE RULE
ROTATION
ANGLE "D"
AT FULL
EXTENSION
(DEGREES)

TAPE RULE
REQUIRED
HEIGHT
TO ACHIEVE
FULL BLADE
EXTENSION
"A" (IN)
[RANGE +/- 3%]

PERCENT
LINEAR TO
ARCULATE
LENGTH-OUT

***LINEAR
LENGTH-OUT
"B" (IN)
[RANGE +/- 3%]

"ARCULATE"
LENGTH-OUT
"C" (IN / FT)
[RANGE +/- 6 (IN)]

*BLADE / SPRING
THICKNESS (IN)

*BLADE / SPRING
WIDTH (IN)

1.000 / 0.875	0.0045 / 0.0051	84 / 7 FT	79	23	94%	>45
1.000 / 0.875	0.0051 / 0.0056	84 / 7 FT	80	22	95%	>45
1.000 / 0.875	0.0051 / 0.0056	96 / 8 FT	86	40	90%	>45
1.000 / 0.875	0.0056 / 0.0060	84 / 7 FT	81	18	96%	>45
1.000 / 0.875	0.0056 / 0.0060	96 / 8 FT	91	31	95%	= / < 35
1.000 / 0.875	0.0056 / 0.0060	108 / 9 FT	93	53	86%	= / < 25
1.250 / 1.250	0.0051 / 0.0051	84 / 7 FT	83	5	99%	>45
1.250 / 1.250	0.0051 / 0.0051	96 / 8 FT	95	8	99%	>45
1.250 / 1.250	0.0051 / 0.0051	108 / 9 FT	107	17	99%	>45
1.250 / 1.250	0.0051 / 0.0051	120 / 10 FT	119	30	99%	>45
1.250 / 1.250	0.0051 / 0.0051	132 / 11 FT	129	38	98%	>45

PRIOR ART

* BLADE WIDTH MEASURED IN FLAT FORM OR ARCULATE PERIMETER OF THE CROSS SECTION

** RAW STEEL THICKNESS WITHOUT COATING(S)

*** ACTUAL UTILITY OF TAPE BLADE STANDOUT

**** ROTATION ANGLE REQUIRED WHEN MEASURING VERTICAL POINTS ABOVE HORIZONTAL PLANE OF BLADE TIP

FIG. 9

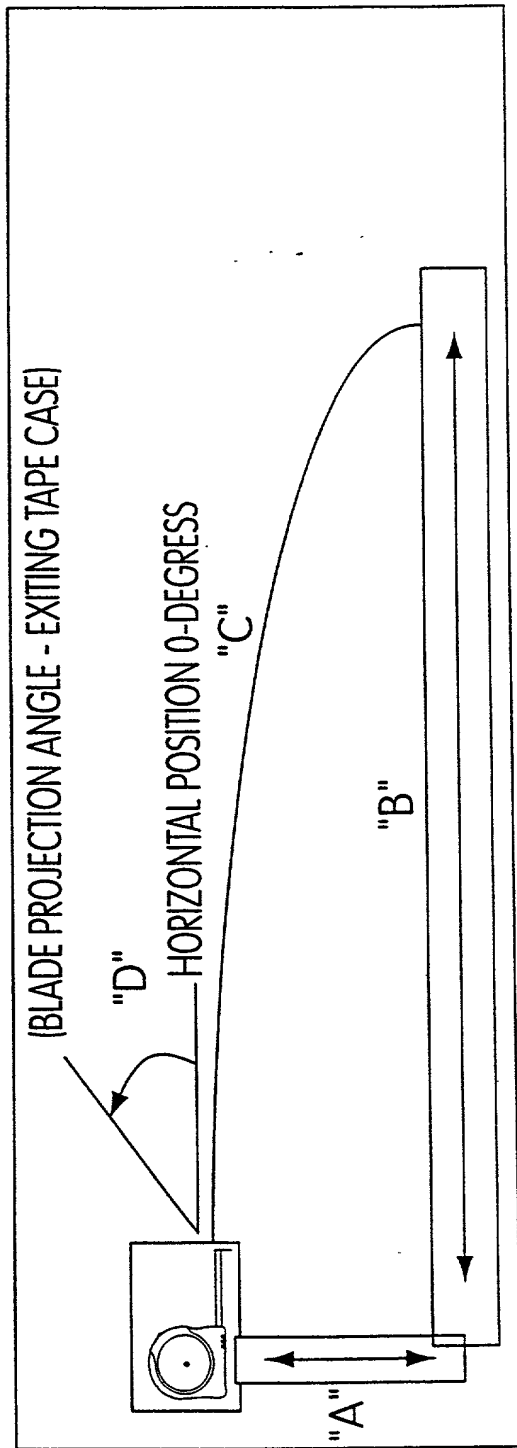


FIG. 10

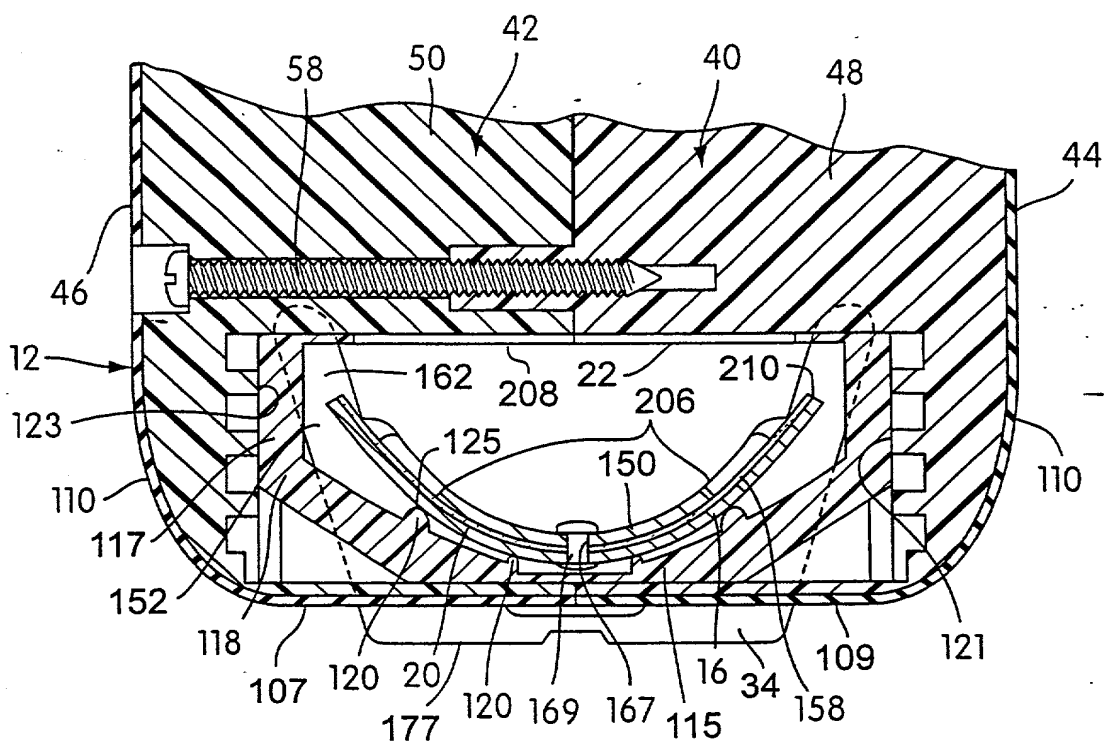


FIG. 11